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1. Production of Electric Current - Latvia - 1938

By Hydraulic plants	7,872,000 Kw H
By Thermal plants	225,861,000 Kw H
Total	233,733,000 Kw H

There were 68 electric power stations and 494 industrial plants which produced power for themselves - total 562 units

Produced in all Latvia:

68 units	162,652,000 Kw H	- 70%
494 units	71,081,000 Kw H	- 30%

The Riga thermal plant alone produced 124,517,000 Kw H or 53% of all electricity produced in Latvia. From 1939 to 1949 it was supplemented by the Kegums power station on the River Daugava near Riga.

This electricity was produced in:

Riga - city	75 units [plants]	144,474,000 Kw H	- 62%
Vidzeme (district)	181 units	46,141,000 Kw H	- 20%
(paper factories)			
Kurzeme (district)			
[Courland]	123 units	27,638,000 Kw H	- 12%
Zemgale (district)	98 units	8,165,000 Kw H	- 3%
Latgale (district)	85 units	7,315,000 Kw H	- 3%
	562 units	233,733,000 Kw H	100%

2. Industrial Cross-Section of the Electricity Produced - Latvia - 1938

	Units	1,000 Kw H Produced
Mines - Quarries	5	106
Ceramics	7	5,449
Metal Industry	13	335

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Chemical Industry	9	2,758
(includes rubber plant)	(1)	(1,603)
Leather Industry	4	327
Textile Industry	39	7,517
Lumber Industry	112	7,374
Paper Plants	9	38,372
Food Industry	291	5,795
Clothing and Footwear	2	26
Construction	2	2,977
Electric power stations	68	162,652
Water plants	1	11
	<u>562</u>	<u>233,733</u>

The 68 electric power stations produced:

6,246,000 Kw H by hydroelectric stations
156,406,000 Kw H by thermal stations
 162,652,000 Kw H

155,284,000 Kw H were produced by electric power stations owned by the communities, mainly in Riga, Liepaja, Jelgava and Daugavpils.

3. Production of Electricity according to Districts and Largest Cities - 1938 (1,000 KwH)

	Units (plants)	Hydro Stations	Thermal Stations	Total
<u>Riga (city)</u>	<u>1</u>		<u>124,517</u>	<u>124,517</u>
Riga (district)	8	1,389	160	1,549
Cesu (district)	5	1,192	540	1,732
Valmiera (district)	5	345	847	1,192
Valsas (district)	6	181	449	630
Madevas (district)	2	2,183	283	2,466
<u>Vidzeme (province)</u>	<u>26</u>	<u>5,290</u>	<u>2,279</u>	<u>7,569</u>
Liepaja (city)	1		17,319	17,319
Liepaja (district)	1	10		10
Aizpute (district)	2	42		42
Kuldoga (district)	3		311	311
Krustpils (city)	1		891	891
Krustpils (district)	3	12	8	20
Talsu (district)	4	42	244	286
<u>Kurzeme (province)</u>	<u>15</u>	<u>106</u>	<u>18,773</u>	<u>18,879</u>
Tukuma (district)	3	9	23	32
Jelgava (city)	1		4,953	4,953
Jelgava (district)	1	92		92
Bauseas (district)	2	377	57	434
Jeeabpils (district)	1		40	40
Iluartes (district)	2		12	12
<u>Zemgale (province)</u>	<u>10</u>	<u>478</u>	<u>5,085</u>	<u>5,563</u>
Daugavpils (city)	1		5,199	5,199
Daugavpils (district)	7	320	165	485
Refenes (district)	1	24		24
Ludzas (district)	3	28	267	295
Abrenes (district)	4		121	121
<u>Latgale (province)</u>	<u>16</u>	<u>372</u>	<u>5,752</u>	<u>6,124</u>
<u>Total - Latvia</u>	<u>68</u>	<u>6,246</u>	<u>156,406</u>	<u>162,652</u>

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4. Monthly Production of Electricity in above Power Stations

	<u>Hydro Stations</u>		<u>Thermal Stations</u>		<u>Total</u>	
	<u>1,000 KwH</u>	<u>%</u>	<u>1,000 KwH</u>	<u>%</u>	<u>1,000 KwH</u>	<u>%</u>
January	623	9.97	14,674	9.38	15,297	9.40
February	708	11.34	12,979	8.30	13,687	8.42
March	630	10.09	13,593	8.69	14,223	8.74
April	618	9.89	11,476	7.34	12,094	7.44
May	436	6.98	11,615	7.43	12,051	7.41
June	358	5.73	9,546	6.10	9,904	6.09
July	367	5.88	10,542	6.79	10,909	6.71
August	* 240	3.84	11,582	7.40	11,822	7.07
September	* 223	3.57	12,976	8.20	13,199	8.11
October	491	7.86	14,859	9.50	15,350	9.44
November	847	13.56	15,779	10.09	16,626	10.22
December	705	11.29	16,785	10.73	17,490	10.75
Total - 1938	6,246	100	156,406	100	162,652	100

* Reflects low water conditions

5. Capacity of Dynamos - 1938

<u>Number</u>	<u>Driven By</u>	<u>H.P.</u>	<u>%</u>
39	water	4,782	5.6
12	steam	851	1.0
16	steam turbines	77,526	91.0
31	int.comb. engines	2,070	2.4
98		85,229	100

6. Length of Power Distribution Lines - Net - 1938 (in Kilometers)

	<u>Low Tension Lines</u>		<u>High Tension Lines</u>		<u>Total</u>
	<u>Air</u>	<u>Underground</u>	<u>Air</u>	<u>Underground</u>	
Riga (city)	126	852	24	495	1,497
Vidzeme	1,865	2	1,194	18	3,079
Kurzeme	752	87	467	39	1,345
Zemgale	571	2	319	16	908
Latgale	250	2	152	13	417
Total - Latvia	3,564	945	2,156	581	7,246

7. Consumption of Power Plant Electricity Produced in Latvia - 1938

	<u>1,000 Kw H,</u>	<u>%</u>
Light and Household	36,161	22.3
Light on Streets	3,483	2.1
Streetcars	12,895	7.9
Industry	85,451	52.6
Power Plants (self-consumption)	2,488	1.5
Agriculture	868	0.5
	141,346	86.9
Loss	21,306	13.1
Total	162,652	100.0

8. Power Consumption per Inhabitant - 1938

In Riga	282 Kw H
In Vidzeme	15 Kw H
In Kurzeme	56 Kw H
In Zemgale	16 Kw H
Latgale	9 Kw H
Latvia	over 107.9 Kw H

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whereof current produced by:

Power Plants	71.8 Kw H
Industrial Units	36.1 Kw H
	<u>107.9 Kw H</u>

9. Gas Production - Latvia - 1938

Liepaja	900,000 cubic meters
Riga	7,700,000 cubic meters
Total	<u>8,600,000 cubic meters</u>

They used 23,714 tons of coal and, in addition to gas, produced:

18,844 tons coke
1,172 tons tar
201 tons benzol

10. Water Supply in Largest Cities - Latvia - 1938

Quantity Water Sold

Riga (city) *	15,728,000 cubic meters (from filtered wells)
Jelgava (city)	1,240,000 cubic meters (from filtered wells)
Daugavpils	884,000 cubic meters (from river)
Valmiera	126,000 cubic meters (from artesian wells)
Cesis	112,000 cubic meters (from springs)

* From artesian wells - considered purest in Europe

11. Dredging of Ports - Latvia - 1938

Riga	838,000 cubic meters earth
Liepaja	-0-
Ventspils	281,000 cubic meters earth
Other ports	<u>17,000 cubic meters earth</u>
Total - 1938	1,136,000 cubic meters earth
1937	936,000 cubic meters
1936	1,114,000 cubic meters
1935	1,126,000 cubic meters
1934	1,143,000 cubic meters

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